

**Amendments to the Claims:**

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Currently Amended) A pyrotechnic microsystem ~~(7, 1')~~ comprising a substrate having at least two separate electrical initiation zones of a pyrotechnic material deposited on the substrate, characterized in that the same pyrotechnic material deposit ~~(721, 721', 13)~~ covers both initiation zones, said deposit ~~(721, 721', 13)~~ produced on the substrate having a thickness sufficiently small for the initiation of the pyrotechnic material at one initiation zone to remain localized and not propagate to the other initiation zone, but sufficient to generate a specific gas quantity.
2. (Currently Amended) The microsystem ~~(7, 1')~~ as claimed in claim 1, ~~characterized in that~~wherein the pyrotechnic material deposit ~~(721, 721', 13)~~ is produced with a thickness of less than 100  $\mu\text{m}$ .
3. (Currently Amended) The microsystem ~~(7, 1')~~ as claimed in claim 1 ~~or 2~~, ~~characterized in that~~wherein the substrate is produced from an assembly of superimposed layers ~~(71, 72, 73, 74 and 10, 11, 12)~~.
4. (Currently Amended) The microsystem ~~(7, 1')~~ as claimed in claim 3, ~~characterized in that~~wherein the pyrotechnic material deposit ~~(721', 13)~~ constitutes one of the superimposed layers ~~(71, 72, 73, 74 and 10, 11, 12)~~.

5. (Currently Amended) The microsystem (~~7, 1'~~) as claimed in claim 4, ~~characterized in that~~wherein the pyrotechnic material deposit (~~721', 13~~) is used as an adhesive for assembly between a layer (~~72, 10~~) lying above said deposit (~~721', 13~~) and a layer (~~73, 11~~) lying below said deposit (~~721', 13~~).

6. (Currently Amended) The microsystem (~~7, 1'~~) as claimed in claim 1, ~~characterized in that~~wherein the deposited pyrotechnic material is in the form of a nitrocellulose-based varnish.

7. (Currently Amended) The microsystem (~~7, 1'~~) as claimed in claim 6, ~~characterized in that~~wherein the varnish is deposited with a thickness of between 5 and 40  $\mu\text{m}$  after drying.

8. (Currently Amended) The microsystem (~~7, 1'~~) as claimed in claim 1, ~~characterized in that~~wherein each of the initiation zones can be produced from an electrical resistance on the substrate.

9. (Currently Amended) The microsystem (~~7, 1'~~) as claimed in claim 1, ~~characterized in that~~wherein each of the initiation zones can be produced at the point of contact of a conductive finger (~~6a, ..., 6h~~), connected to an electrical generator (~~4~~) on the substrate made of metallic substance, which is also connected to said generator (~~4~~).

10. (Currently Amended) The microsystem (~~7, 1'~~) as claimed in claim 3, ~~characterized in that it comprises~~comprising a deformable membrane (~~710, 12~~) partially delimiting a combustion chamber (~~720, 2a, ..., 2h~~) intended to receive the gases generated by at least one

part of the pyrotechnic material deposit (~~721, 721', 13~~) in contact with one of the initiation zones.

11. (Currently Amended) The microsystem (~~7, 1'~~) as claimed in claim 10, ~~characterized in that it comprises~~ comprising a layer (~~72, 10~~) through which an orifice forming the combustion chamber (~~720, 2a, ..., 2h~~) is formed, said layer (~~72, 10~~) being held between the membrane (~~710, 12~~), itself forming a layer, and the pyrotechnic substance deposit (~~721', 13~~).

12. (Currently Amended) A method for fabricating a microsystem (~~1'~~) comprising a plurality of adjacent microactuators (~~1a, ..., 1h~~) established on a substrate, each microactuator (~~1a, ..., 1h~~) being capable of having a specific effect owing to the gases generated by the combustion of a pyrotechnic material initiated from an electrical initiation zone associated with each microactuator (~~1a, ..., 1h~~), ~~characterized in that~~ wherein a pyrotechnic material layer (~~13~~) common to all the microactuators (~~1a, ..., 1h~~) is deposited on the substrate with a thickness sufficiently small for the initiation of the pyrotechnic substance in one initiation zone to remain localized and not propagate to the other initiation zone, but sufficient to generate a specific gas quantity.

13. (Currently Amended) The method as claimed in claim 12, ~~characterized in that~~ wherein it consists only in stacking superimposed layers (~~10, 11, 12~~), the pyrotechnic material layer (~~13~~) constituting one of the layers of the stack.

14. (Currently Amended) The method as claimed in claim 12 ~~or 13~~, ~~characterized in that~~ wherein the pyrotechnic material layer (~~13~~) is deposited with a thickness of less than 100  $\mu\text{m}$ .

15. (Currently Amended) The method as claimed in ~~one of claims 12 to 14,~~  
~~characterized in that~~claim 12, wherein the pyrotechnic material layer (13) is deposited by  
coating, screen printing, pad printing, immersion or by spraying.